



Department of Water Resources

Division of Flood Management

Delta Flood Emergency Preparedness, Response, and Recovery Program

Geoff Shaw

DWR/Flood Operations Branch

PUBLIC SAFETY

ENVIRONMENTAL STEWARDSHIP

ECONOMIC STABILITY

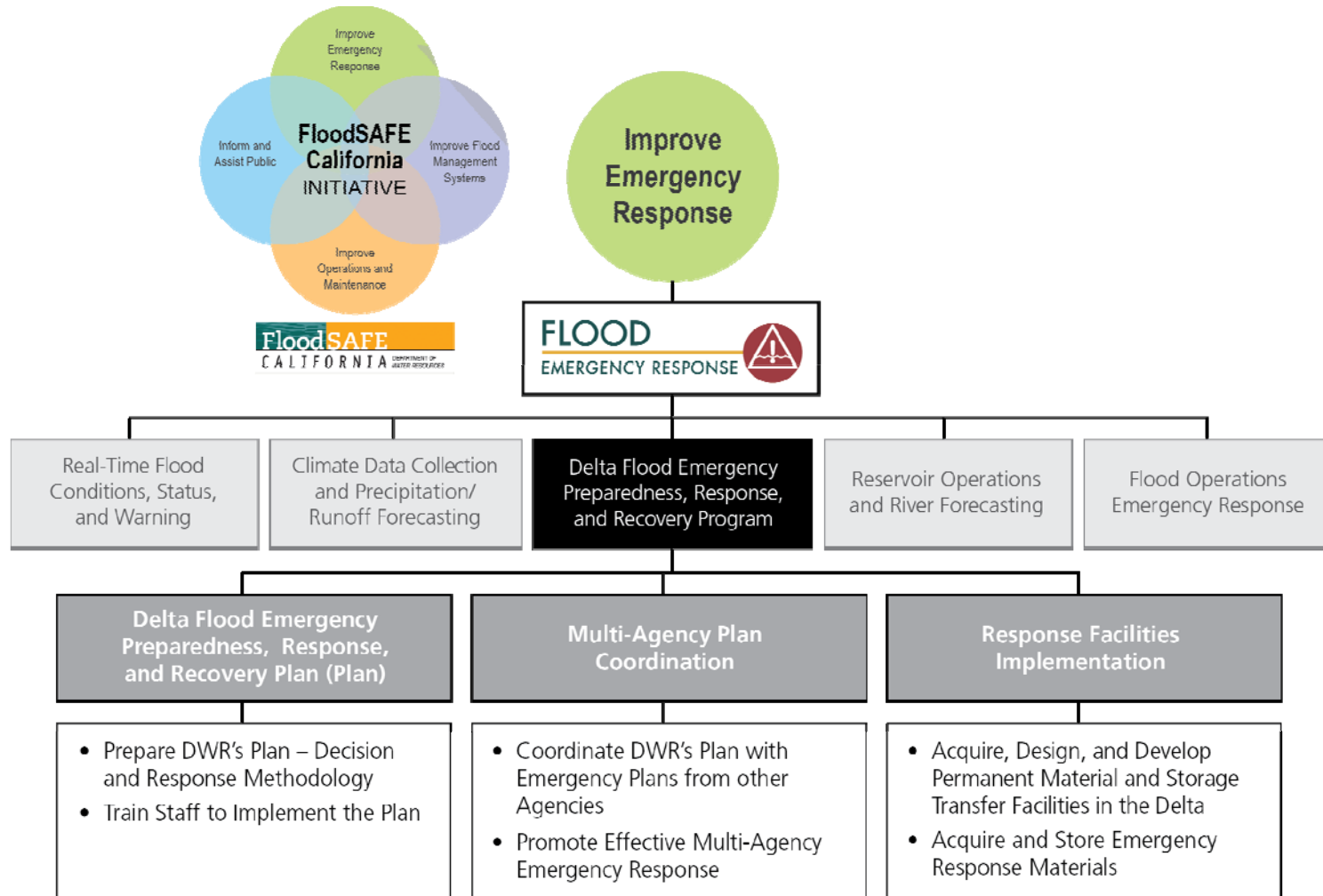
Program Overview

The Delta is vulnerable...

The Department is developing the Delta Flood Emergency Preparedness, Response, and Recovery Program to improve its ability to respond to levee failures in the Delta and to minimize recovery time from these events.



Program Components



Program Objectives

DWR will respond to a Delta Flood Emergency according to the following priorities:

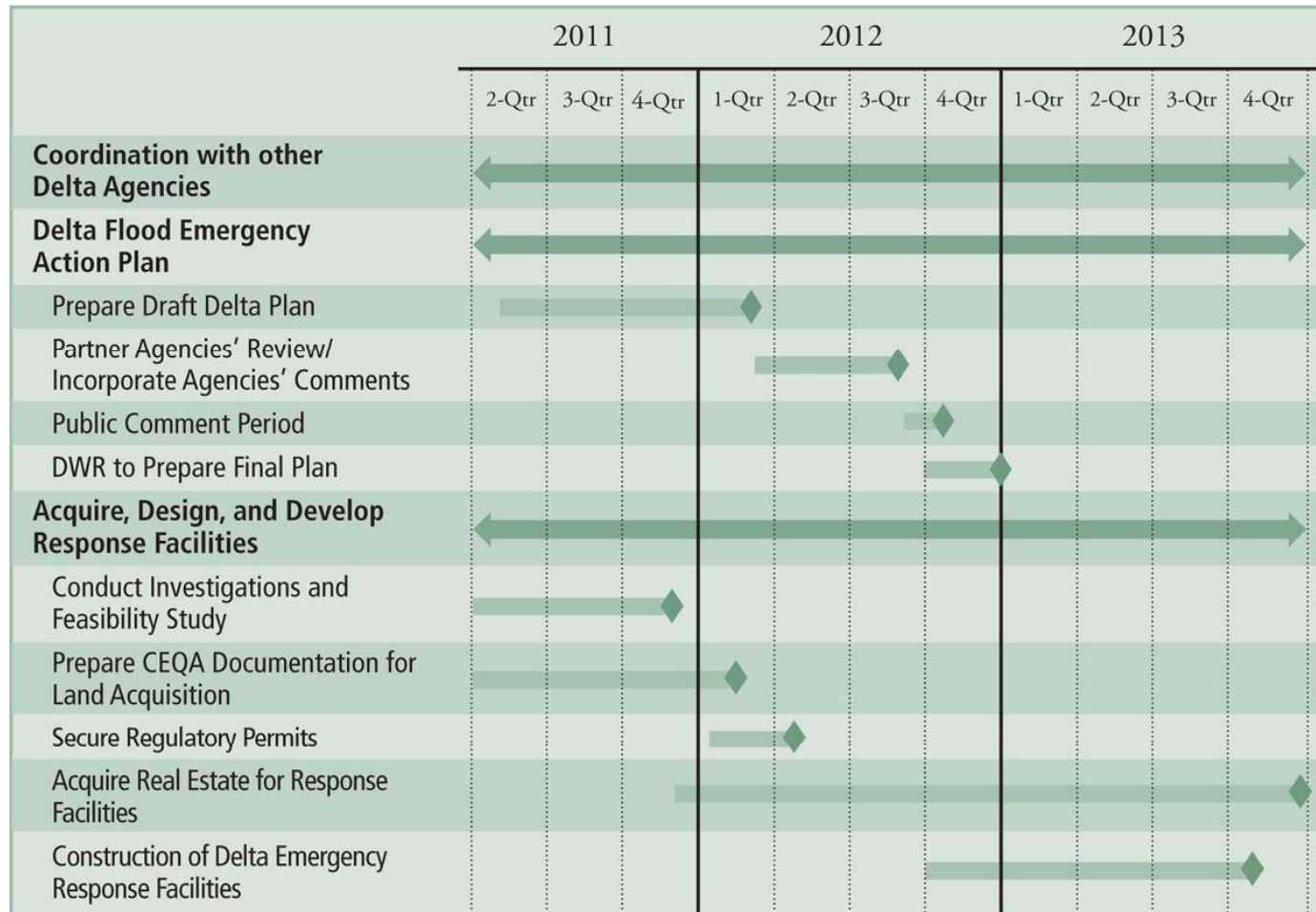
- Protection of life, public health and property
- Protection of critical infrastructure
- Protection of the environment



Legislative Authorization and Funding

- **SBX2_1 (2008) Perata**
- **Proposition 1E (2006) – The Disaster Preparedness and Flood Prevention Bond Act of 2006**
- \$135 million to the Department of Water Resources for essential emergency preparedness supplies and projects....from this money, the Department authorized \$80 million for the DWR Delta Emergency Preparedness, Response, and Recovery Program

Program Schedule



This Plan will guide DWR during a Delta Emergency

Previous response and recovery strategies:

- 1986 Report to Legislature
- 1997 FEAT Document, Governor's Executive Order W-156-97
- April 2007 Concept Paper
- How Different Than Other Plans?

Delta Levee Failure Scenario

After plan adoption/program completion...

Increased Preparedness

- More flood fight materials in the Delta
- New Waterside Transfer Facilities in the Delta
- Enhanced ER coordination among local, State, and federal partners



Delta Levee Failure Scenario

After plan adoption/program completion....

Increased DWR Preparedness and Response readiness

- Division-Wide FOC and ICT Rostering
- DWR Flood Academy
- Experience using all of the new response tools via exercises and O&M activities



Delta Levee Failure Scenario

After plan adoption/program completion....

Enhanced Delta Recovery Program

- More efficient recovery operations with WSTFs
- More fully vetted recovery strategies with newly enhanced suite of emergency response, repair and water quality models (ERR & WAM)



Questions?

PUBLIC SAFETY

ENVIRONMENTAL STEWARDSHIP

ECONOMIC STABILITY

Flood Response Delta Levee Failure Scenario

What would we do today...Current Response Strategy

- Actions prioritized according to public safety, protection of property, and environmental stewardship
- Organize ER efforts under SEMS
 - i. Activate FOC
 - ii. Mobilize ICTs for a flood fight
- Coordinate response with local and federal partners



Catastrophic Delta Levee Failure Scenario

What would we do today...Current Recovery Strategy

- Determine the extent of the devastation
- Have modelers run Emergency Response & Repair and Water Analysis Modules, and the RMA Bay-Delta model to develop recovery strategies
- Begin recovery by protecting existing islands that have significant state interests
- Re-establish the water supply